

Safety Data Sheet

SPOTMASTER CSR

SECTION 1- PRODUCT IDENTIFICATION

PRODUCT NAME : SPOTMASTER CSR
SYNONYMS : Product is a mixture: No synonyms are available.
PRODUCT USE : Moderately Acidic Material
SUPPLIER : HYDRAMASTER CORP.
SUPPLIER'S ADDRESS : 11015 47 AVE. W, MUKILTEO WA 98275
(425) 776-7272
EMERGENCY RESPONSE PHONE NUMBER : PERS: 1-800-633-8253

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS U.S. – CLASSIFICATION : H302 Harmful if swallowed.
H315 Causes skin irritation
H318 Causes serious eye damage.

LABEL ELEMENTS : **GHS – US HAZARD PICTOGRAMS** The product is classified and labeled according to the Globally Harmonized System (GHS).

HAZARD PICTOGRAMS



SIGNAL WORD : WARNING
HAZARD STATEMENTS (GHS-US) : Not established

: H302 Harmful if swallowed.
: H318 Causes serious eye damage.

PRECAUTIONARY STATEMENTS (GHS-US) : P101 If medical advice is needed, have product container or label at hand.

: P102 Keep out of reach of children.
: P103 Read label before use.
: P260 Do not breathe dust/fume/gas/mist/vapors/spray.
: P264 Wash skin and contaminated clothing thoroughly after handling.
: P270 Do not eat, drink or smoke when using this product.
: P280 Wear suitable protective gloves/protective clothing/eye protection/face protection.
: P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
: P302+P352 : IF ON SKIN: Wash with plenty of soap and water.
: P305+351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
: P332+P313 If skin irritation occurs: Get medical advice/attention.
: P337+P313 If eye irritation persists: Get medical advice/attention.
: P501 Dispose of contents/container in accordance with local /regional / national / international regulations.

CLASSIFICATION SYSTEM : NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.
NFPA RATINGS (SCALE 0-4) : Health = 2, Fire = 0, Reactivity = 0

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HMIS RATINGS (SCALE 0-5) : Health = 2, Fire = 0, Reactivity = 0

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERISTIC : Mixtures
DESCRIPTION : Mixture of the substances listed below with nonhazardous additions.

COMPONENT	PERCENT	CAS #	EC #	GHS CLASS
Sodium Metabisulfite Anhydrous	> 80	7681-57-4	231-673-0	Acute Oral Toxicity: Cat 4 Eye Damage: Cat 1

Cat = Category, Corr = Corrosion, Irrit = Irritant, Dam = Damage, Tox = Toxicity, Inhal = Inhalation, STOT RE = Specific Target Organ Toxicity Repeated Exposure.

SECTION 4 – FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. Show the label where possible.

EYE CONTACT : Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical center.

SKIN CONTACT : Remove contaminated clothing and shoes. Wash affected skin area with soap and water. Delayed skin damage is possible if product is not completely washed off. If irritation persists, get immediate medical attention.

SWALLOWING (INGESTION) : If ingested, dilute swallowed material by drinking water. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. Never give anything by mouth to an unconscious person. Get immediate medical attention.

INHALATION : Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

OTHER INSTRUCTIONS : Indication of immediate medical attention and special treatment needed: Treat symptomatically. Can cause corneal burns.

SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

EXPLOSION HAZARDS : Product is not explosive.

REACTIVITY (FIRE) : Thermal decomposition generates: Corrosive vapors. If the product is involved in a fire, it can release explosive hydrogen gas. When heated to decomposition, emits toxic fumes. May be corrosive to metals.

SPECIAL INSTRUCTIONS TO FIRE FIGHTERS

PRECAUTIONARY MEASURES : Exercise caution when fighting any chemical fire.

FIREFIGHTING INSTRUCTIONS : Use water spray or fog for cooling exposed containers.

PROTECTION DURING FIREFIGHTING : Decomposes on heating emitting toxic fumes, including those of sulfur dioxide. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

OTHER INFORMATION (FIRE) : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES** : Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. Avoid inhalation and direct contact.
- ENVIRONMENTAL PROCEDURES** : Keep spilled material away from sewage/drainage systems and waterways.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP** : All clean-up personnel must be properly trained. Confine the spill and remove incompatible materials and ignition sources. Ensure adequate ventilation. Secure the source of the leak if conditions are safe. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water. Use care during clean-up to avoid exposure to the material and injury from broken containers.

SECTION 7 – HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING** : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.
- CONDITIONS FOR SAFE STORAGE** : Store in a dry, cool and well ventilated place. Keep container closed when not in use. Keep/store away from extremely high or low temperatures, direct sunlight, heat and incompatible materials (Strong acid, Strong oxidizers).



SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- TLV (THRESHOLD LIMIT VALUE)** : The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	USA OSHA PEL – TWA	USA ACGIH TWA	USA ACGIH – STEL
Sodium Metabisulfite Anhydrous	5 mg/m ³	Not Established	Not Established

- EYE PROTECTION** : Wear chemical splash goggles or face shield.
- SKIN PROTECTION** : Minimize contact with product. Wear chemical resistant coveralls, boots, gloves, apron and/or suitable long-sleeved clothing.
- RESPIRATORY PROTECTION** : In case of brief exposure use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.
- VENTILATION** : Ensure adequate ventilation.
- ADDITIONAL MEASURES** : Emergency eyewash and safety shower facilities should be available in the immediate work area.
- REQUIRED WORK/HYGIENE** : Wash hands thoroughly after handling. Keep away from all food stuffs, beverages and feed. Do not eat, drink or smoke in work area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : White free flowing powder
- ODOR** : Mild odor
- ODOR THRESHOLD** : Not available
- PH** : 4-5 (10% solution)

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MELTING POINT/FREEZING POINT	: Not available
BOILING POINT	: Approx. 212° F.
FLASH POINT	: Non flammable, non combustible
EVAPORATION RATE	: Not available
FLAMMABILITY	: Non flammable-Non combustible
LOWER FLAMMABILITY LIMIT	: Not available
UPPER FLAMMABILITY LIMIT	: Not available
VAPOR PRESSURE	: Not available
VAPOR DENSITY (AIR=1)	: Not available
RELATIVE DENSITY	: > 1.0
SOLUBILITY IN WATER	: Soluble in water
PARTITION COEFFICIENT n-OCTANOL/WATER	: Not available
AUTOIGNITION TEMPERATURE	: Not available
DECOMPOSITION TEMPERATURE	: Not available

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY	: Contact with acids generates toxic gases.
STABILITY	: Slowly oxidizes upon exposure to air and moisture.
HAZARDOUS CONDITIONS TO AVOID	: Direct sunlight. High temperatures.
INCOMPATIBLE MATERIALS	: Acids and oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS	: Sulfur dioxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION	: Sodium Bisulfite Anhydrous
ACUTE ORAL TOXICITY	: LD50 Oral (rat): 1540 mg/kg.
INGESTION	: Swallowing can result in nausea, vomiting, diarrhoea, and abdominal pain.
EYE CONTACT	: A severe eye irritant. Contamination of eyes can result in permanent injury.
SKIN CONTACT	: Contact with skin may result in irritation. May cause skin sensitisation in sensitive individuals. Repeated or prolonged skin contact may lead to allergic contact dermatitis.
INHALATION	: Breathing in dust may result in respiratory irritation. May cause respiratory sensitisation in sensitive individuals, producing asthma-like symptoms.
CHRONIC EFFECTS	: Sodium metabisulfite can sensitise the respiratory tract of allergic persons.

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION	: Sodium Bisulfite Anhydrous
ECOTOXICITY TO FISH	: 96hr LC50 (fish): 150-220 mg/L (<i>S. gairdnerii</i>)
NOTES	: Avoid contaminating waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS

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- WASTE DISPOSAL RECOMMENDATIONS** : This product must be disposed of in accordance with Federal, state and local environmental regulations. Discarded materials may be considered hazardous waste due to pH/corrosivity. It is the responsibility of the product user to determine at the time of disposal whether a material containing, or derived from this product, should be classified as a hazardous waste.
- ECOLOGY-WASTE MATERIALS** : This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14 – TRANSPORTATION INFORMATION

- DOT/IMDG/ IATA PROPER SHIPPING NAME** : N/A
- HAZARD CLASS AND LABEL** : N/A
- UN NUMBER** : N/A
- PACKAGING GROUP** : N/A
- EPA REPORTABLE QUANTITY (RQ)** : N/A
- MARINE POLLUTANT** : Marine Pollutant
- EMERGENCY RESPONSE GUIDE** : N/A

SECTION 15 – REGULATORY INFORMATION

U.S. FEDERAL REGULATORY INFORMATION:

- LISTED CARCINOGEN** : Not listed
- TSC STATUS** : The ingredients of this product are listed on TSCA (Toxic Substances Control Act) inventory (40CFR 710.)
- SARA SECTION 302** : None
- SARA SECTION 311/312** : Immediate (acute) health hazard.
- HAZARD CLASS**
- SARA SECTION 313** : Not Listed
- NFPA HEALTH** : 2
- NFPA FLAMMABILITY** : 0
- NFPA REACTIVITY** : 0

EUROPEAN UNION REGULATORY INFORMATION:

- EC CLASSIFICATION** : Xi: Irritant
- DSD/DPD RISK (R) PHRASES** : R34: Causes severe burns.
R22: Harmful if swallowed.
- DSD/DPD SAFETY (S) PHRASES** : S1/2: Keep locked up and out of reach of children.
S18: Handle and open containers with care.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/S37/39: Wear suitable protective clothing, gloves and eye/face protection.
S45: In case of accidents or if you feel unwell, seek medical advice immediately. Show label where possible.
S61: Avoid release to the environment.
S64: If swallowed, rinse mouth with water if victim is conscious.
- DSD/DPD HAZARD SYMBOL** : Xi: Irritant



CANADIAN REGULATORY INFORMATION

- WHMIS CATEGORY** : Class D2B: Materials that cause other toxic effects (TOXIC).



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- DOMESTIC SUBSTANCES LIST (DSL)** : Listed
- INGREDIENT DISCLOSURE LIST** : Listed, This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the sds contains all of the information required by the CPR.

SECTION 16 – OTHER INFORMATION

- DISCLAIMER** : The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Hydramaster Corp. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.
- CERCLA** : Comprehensive Environmental Response, Compensation, and Liability Act.
- EINECS** : European Inventory of Existing Commercial Chemical Substances
- IMDG** : International Maritime Code for Dangerous Goods
- IARC** : International Agency for Research on Cancer
- IATA** : International Air Transportation Association
- ACGIH** : American Conference of Governmental Industrial Hygienists
- NFPA** : National Fire Protection Association (USA)
- NTP** : National Toxicology Program
- SARA** : Superfund Amendments and Reauthorization Act
- TSCA** : Toxic Substances Control Act
- HMIS** : Hazardous Materials Identification System (USA)
- WHMIS** : Workplace Hazardous Materials Information System
- LC50** : Lethal concentration, 50 percent
- LD50** : Lethal dose, 50 percent
- STOT** : Systemic Target Organ Toxicity
- DATE PREPARED** : MAR 1, 2012
- DATE REVISED** : MAR 1, 2015